



LAXMI INDUSTRIAL SYSTEMS

MX-10 HYBRID



ROTARY SCREEN PRINTING MACHINE



Modular Printing Equipment for professionals

LAXMI - MX3 Installed in Syria 2200 mm Printing Width, 10 Colors

Besides superior products and technologies for professional use in the textile printing industry the name LAXMI INDUSTRIAL SYSTEMS as well stands for a group of highly motivated and experienced people taking responsibility for the products they develop. Every single day our team makes all efforts to further develop our products in order to meet customers expectation and needs.




We consider the fact that this can be achieved only through strong personal commitment and well maintained customer relationship as one of our main challenges. The dialog with our customers and technology partners has proven to us that competitiveness is well possible especially by consistent use of latest technology and modular architecture in our products.

The Elegant Art of Printing



LAXMI INDUSTRIAL SYSTEMS



MX3

High Performance Rotary Printing Machine



LAXMI - MX3
Hybrid at Alok Industries Vapi



LAXMI - MX3
8 Colors, 3250 mm printing width Installed at GHCL, Vapi.



LAXMI - MX3
installed at Arvind Mills, Ahmedabad



Available from 1600-3200 mm printing width, up to 24 colors and inclusive drier, infeed and exit.

Open bearing system architecture, insensitive against industrial environment, reliable and extremely easy to install and operate.

All repeat adjustments can done by one joy-stick instead of separate buttons.

Sequence Controlled Operation :

Screen and squeegee adjustments can be done in a logical sequence only to prevent damage to screens and squeegees.

"One hand" printing width adjustments.

Wireless color level probe.

Quick and simple change of screens and squeegees due to open bearing system with 3-point screen suspension.

No repeat adjustments and misfits during speed-up or slow process.

Separate controls on non-operating side as well.



Ultra High Performance
LAXMI - MX3 Hybrid Installed at Alok,
Vapi. 2009.

LAXMI - MX3
Installed at Ahmedabad, India
3 Mtrs. / 8+4 Colors

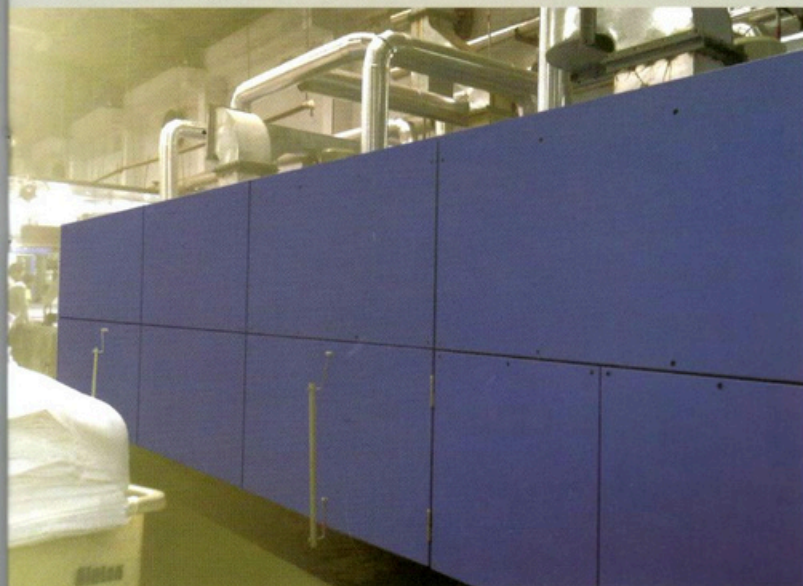


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PLC Based Laxmi rotary screen printing fully automatic machine with magnetic squeeze system, automatic design setting, and with / without quick changer of facility/ flying design change system with / without online washing arrangement.



LAXMI - MX 10 Hybrid 10 Colors
Installed at Arvind Mills Santej, India.



Oil / Steam / Gas : All the three options are available.
No. of Chambers : 3/4/5/6
No. of Exhaust : 2/3/4 individually driven
No. of pass : 1/3/5
Evaporating Capacity : 450 to 1250 kg/Cm²
Installed Power required for drier : Approx. 75-125 HP

Super Efficient Space Saving Drier
Installed at Morarji Mills (Just Textiles) Ambarnath



MX3 - The high performance rotary screen printing system which meets the needs of textile printers in today competition environment. One step further towards our goal to develop leading textile printing technology for professional applications in combination with maximum cost effectiveness-by utilization of modular components and state of the art microelectronics without compromise offering the best price performance ratio compared to any international machine.

Precision parts come from Germany and the fabrication work like infeed, structure, drier etc. is made in India.



LAXMI - MX3 Installed at Estonia
3250 mm Printing Width, 16 Colors



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Feeding Unit

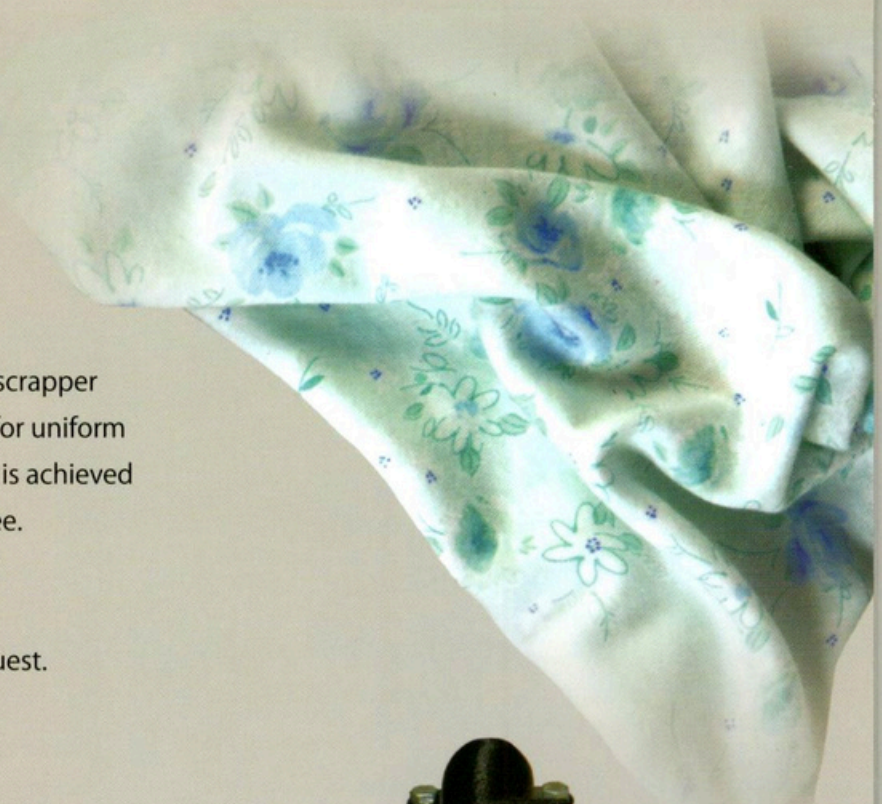
Feeding Unit is suitable for use with wide range of fabrics both woven and knitted, with a minimum of tension vertical compensator adjust the tension of the fabrics. For fabric cleaning brushing & suction unit can be installed on the feeding unit.

Glueing Device

Glueing devices supplied with spray & rubber scrapper or with glue application rolls. The spray helps for uniform application of glue. Precise glue film thickness is achieved by pneumatically adjustable scrapper squeegee. The device is pneumatically lifted in operating position and can be pulled out of cleaning. Magnetic gumming is also available upon request.

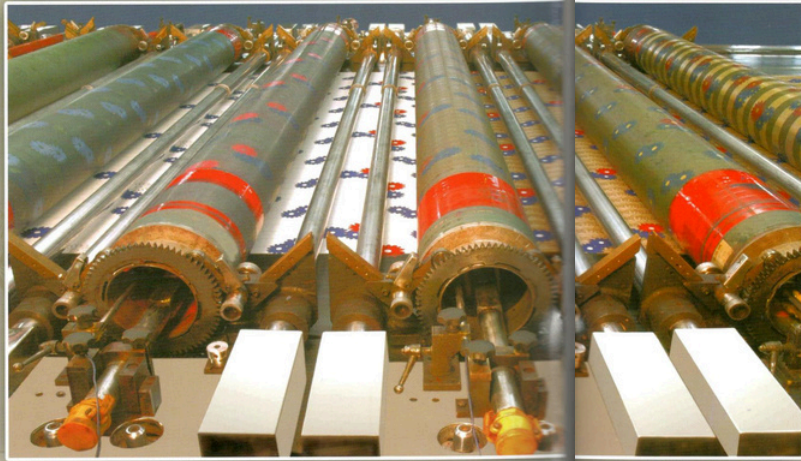
LAXMI - Colour Pump

Stainless steel body, electroplated, double diaphragm pneumatic colour pump for power saving, colour saving and suction of very very high viscosity colours. Suitable for all printing machines in the world. supplied as a standard part of all laxmi-MX3 machines.





PLC Based Laxmi rotary screen printing fully automatic machine with magnetic squeeze system, automatic design setting with / without and quick changer of facility/ flying design change system with / without online washing arrangement.



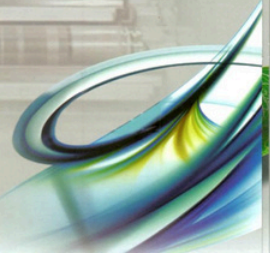
LAXMI INDUSTRIAL SYSTEMS

Salient Features

- Floating bearing system • Very easy handling of screen • Space saving
- Micro gearing synchronisation device • Easy screen running due to 1:1 gear ratio.
- Any repeat possible between 500 and 1018 mm.
- Stepless width variation between maximum and minimum printing width.
- Magnet roller squeegee guarantees absolute even color application over the whole of the involved printing surface.
- Floating bearing system, light running screen head bearings with micro gearing device enables a single sided screen drive up to 3250 mm. printing width.
- Printer can choose conventional magnetic roller squeegee, suitable for most applications.

PLC Based Fully Automatic
LAXMI - LX - 10 DS 2013
 Installed at Panipat, India
 2.8 Mtrs. Printing Width, 16 Colors

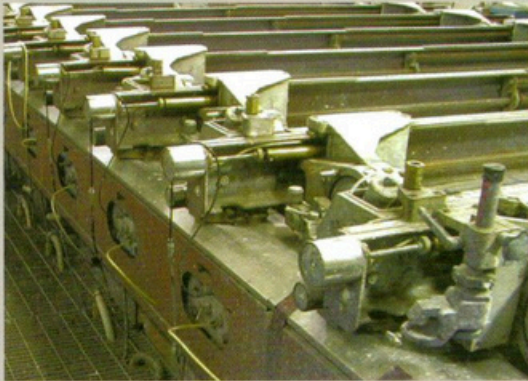
The Elegant Art of Printing





Modular Printing Equipment for Professionals

Retrofit Examples



Reggiani before retrofit



Reggiani after retrofit

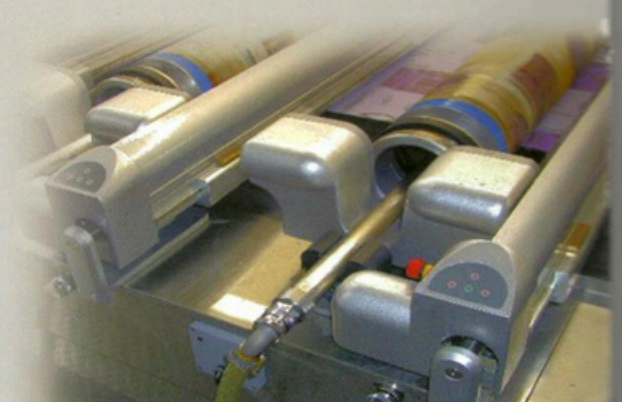
Retrofit Examples



Stork Rd4 before retrofit



Stork Rd4 after retrofit



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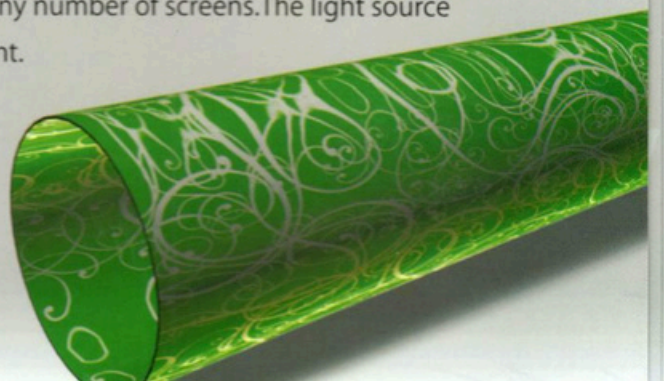
LAXMI - Engraving Equipments

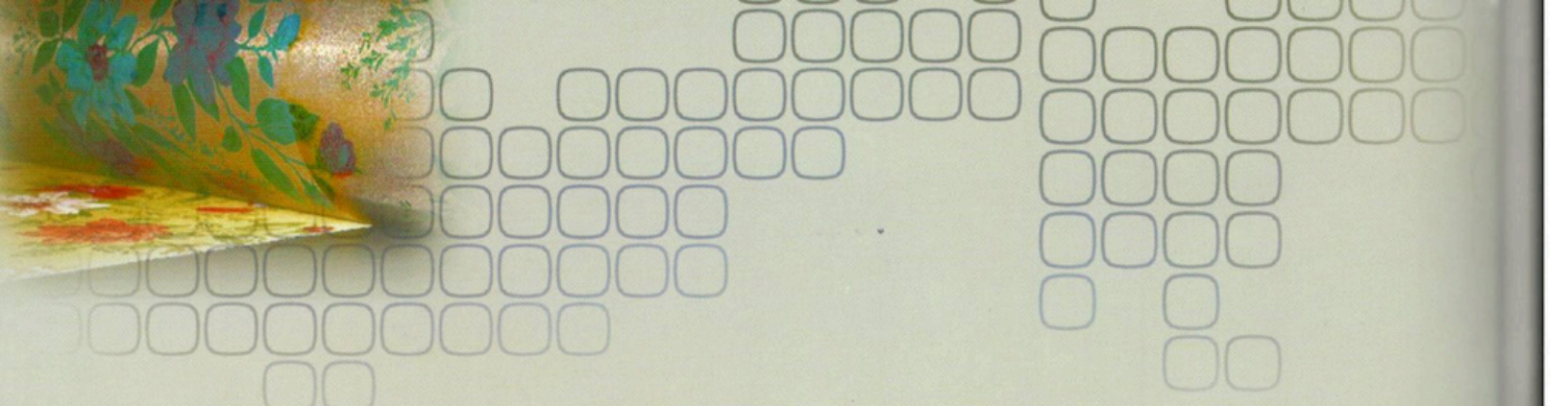
Simple and easy operation of 'Laxmi' Exposing Machine guarantees on extremely perfect exposure. One end of the robust frame contains drive motor, clutch, & electronic controls. The motor drives a ground shaft is supported by a special bearing which can be lowered and hinged back.



LAXMI EM 100
Automatic Screen Exposing Machine Installed in Egypt

Removable pneumatic inflatable tube on the driving shaft stabilises the screen during operation. Two centering rings position the screen. The machine can transfer repeat height and full printing width, and with the help of ruling device transfer repeat height and apart of printing width. Ruling device consist of trolley which is mounted on bearings carries a marking point. By means of a repeat stoppers, ruling and marking device identical marking can be reproduced exactly on any number of screens. The light source comprises of U. V. cold light fluorescent tube in dome arrangement. The tube attain their full power immediately after switching on with comparatively minimum heat radiation.





Automatic Lacquer Coating Machine CM 100

The Machine is provided with a Special squeegee which gives a perfect coating of emulsion on the screen with a notable reduction in working time.

The "Laxmi" coating machine applies automatically a smooth & uniform coating with optimum adhesion between photo-emulsion & the nickel screen.

As a result of this hardly and pinholes are left so that practically no retouching is required.

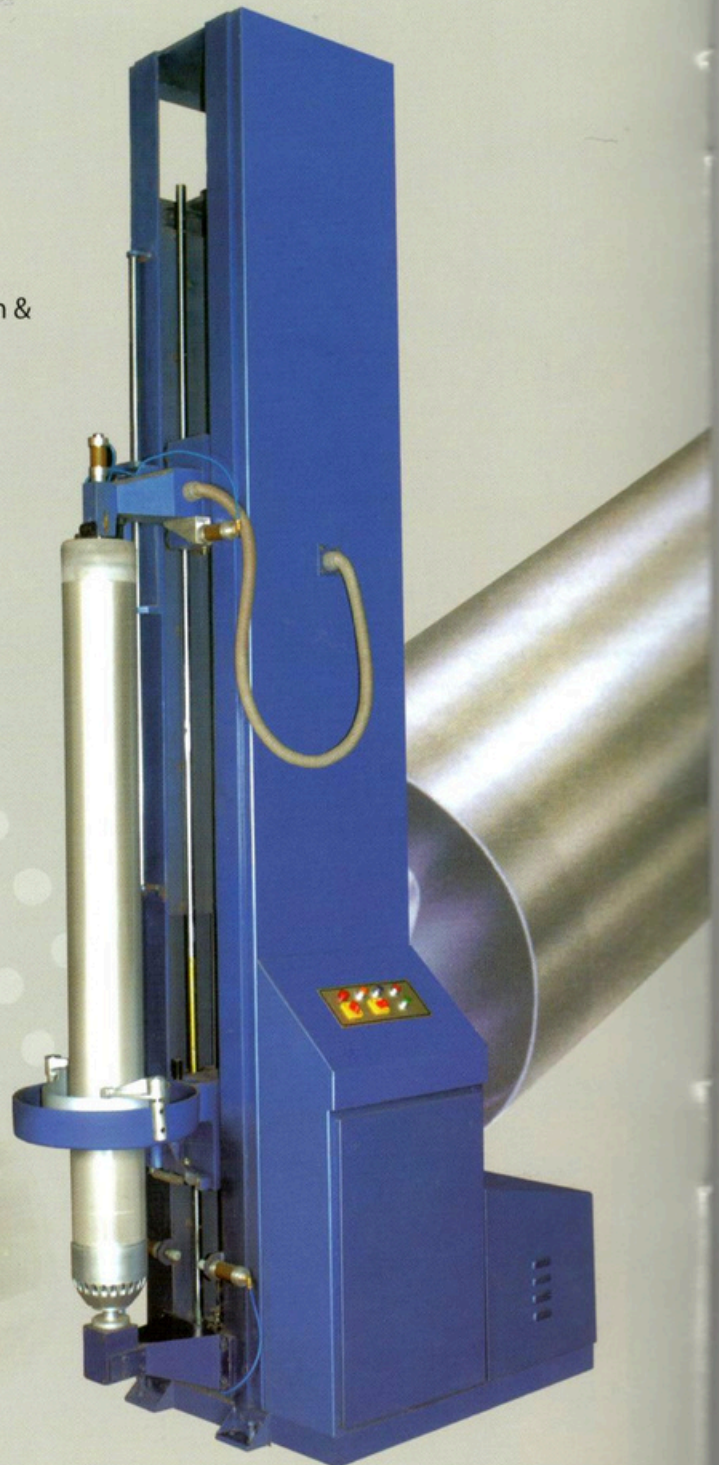
Thus reducing down the time & labour.

The photo emulsion is applied in one cycle from top to bottom.

The extremely simple panel allows the operator, easy & Immediate access to the operation of the machine.

Technical Data

"Laxmi" lacquer coating machine is available in three version and this depends on the length of the screen to be treated.





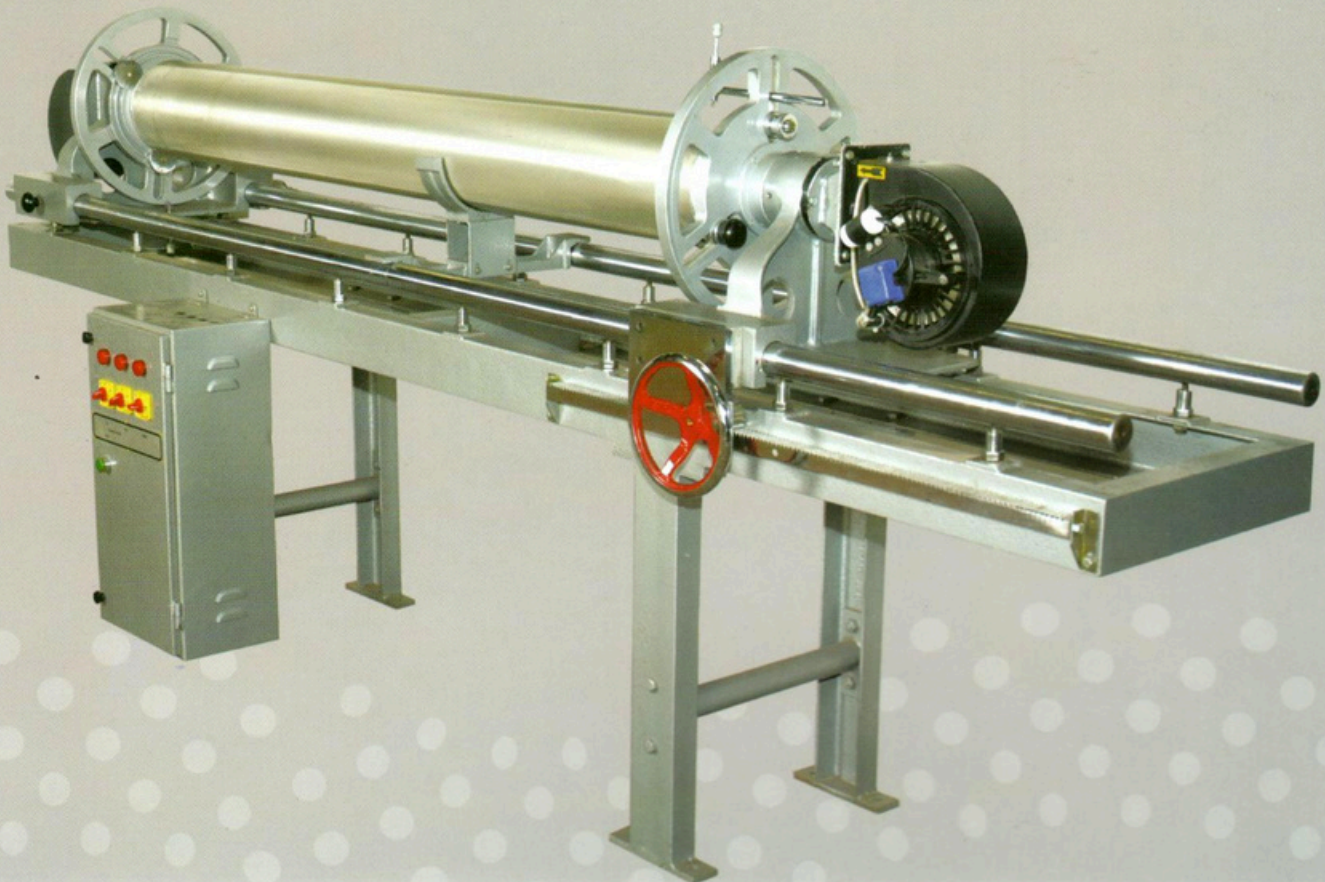
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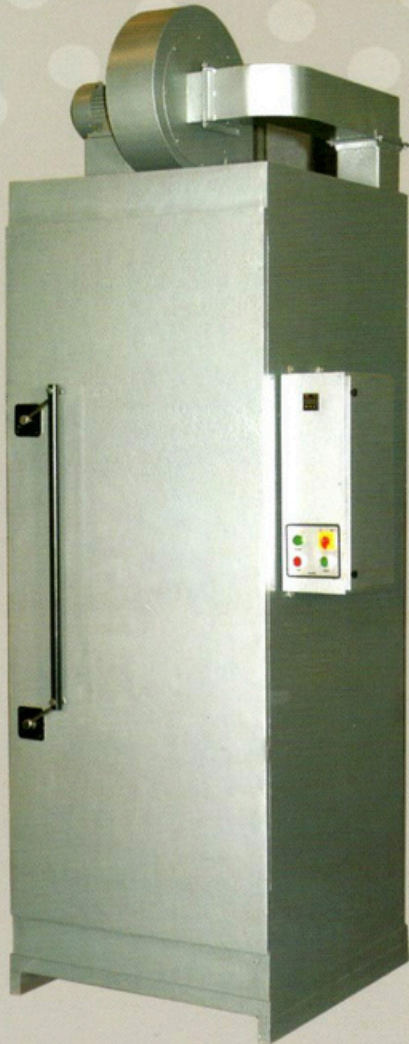
Endring Glueing Machine EG 100

"Laxmi" endring glueing machine positions the endring so perfectly that contact surface of the endrings exactly perpendicular to the center line of the screen. This is maximum importance for perfect & uniform printing result & will favourably influence the screen's life.

LEGM-100 practically removes the human error resulting in longer life of screens & uniform printing. After the glue is applied in horizontal position, hot air is distributed almost uniformly in the endring circumference which ensure even & rapid drying of the glue.

"Laxmi" endring glueing machine is available in four version and this depends on the length of the screen to be treated.





Drying Cabinet CC 100

Drying cabinet serves to dry screen after degreasing & coating.

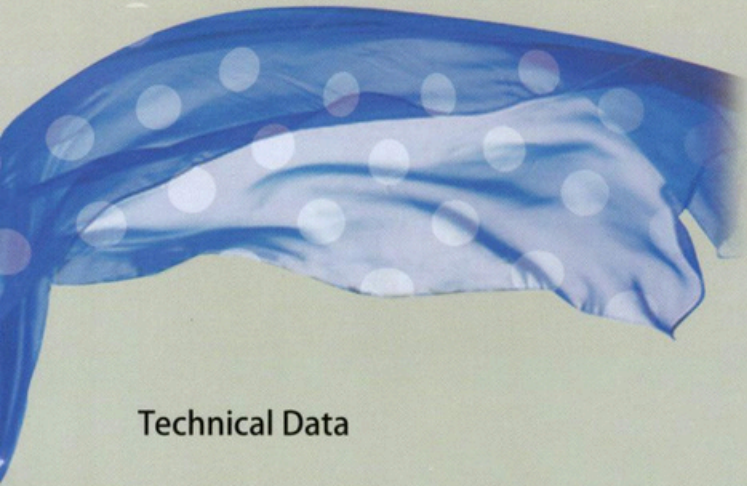
in a wooden cabinet 9 screens of 640 - 2000 mm repeat can be dried.

Air circulating fan and thermostat keeps a constant air circulation at required temperature (28° C 35° C)

Polymerizing Cabinet PC 100

'Laxmi' polymerizing cabinet is equipped with independent heating and air circulation system for baking of the emulsion, usually at 180° C
It attains the preset temperature within very short time and maintains it exactly at set level.



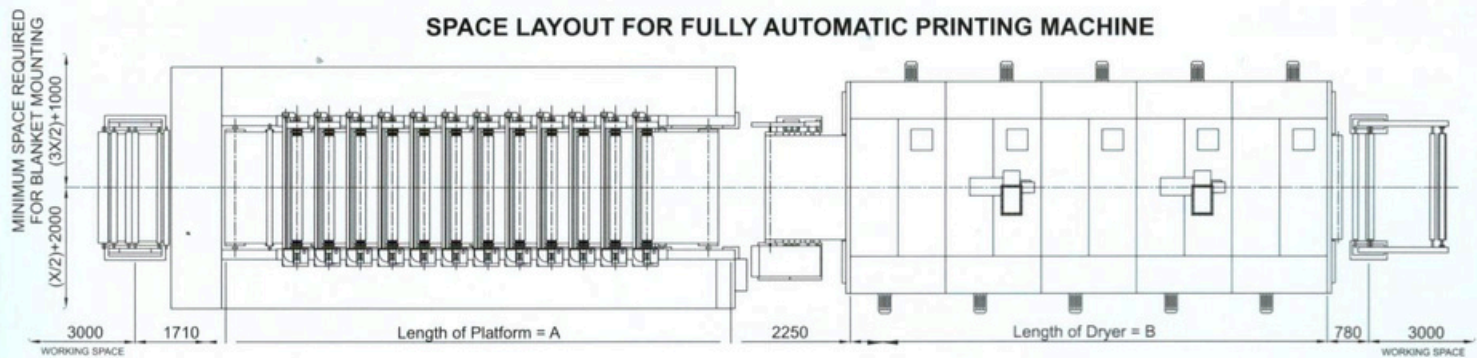


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Technical Data

- Printing Width : 1250, 1550, 1850, 2550, 2850, 3250, & 4000 mm.
- Printing Repeat : 640, 725, 820, 914, 1018, 1168, 1200, 1500, 1600, 1680, 2000 mm.
- Printing Speed : 4 to 80 mtrs. / min.
- No. of colors : 8, 12, 16, & 24 colors
- Suitability of Cloth : Cotton, Viscos, Polyester, Knitted, Synthetics, Chiffon etc.
- Drive of the M/C : AC Variable Drive.
- Nature of Current : 380V/415V ± 5%
- Connected Load : 70/115 Kw.
- Water Consumption : 40 to 60 Lit. Min. approximate

SPACE LAYOUT FOR FULLY AUTOMATIC PRINTING MACHINE



TYPE "MX10"

Colours	A (m.m)
8 Colours	7120 m.m
12 Colours	9520 m.m
16 Colours	11920 m.m

TYPE "LX-10 DS"

Colours	A (m.m)
8 Colours	6370 m.m
12 Colours	8370 m.m
16 Colours	10370 m.m

DRZ

Chambers	B (m.m)
3Chambers	7500 m.m
4Chambers	9500 m.m
5Chambers	11500 m.m
6Chambers	13500 m.m

Note : (1) X=PRINTING WIDTH (2) Min. Req. Height = 3500 m.m



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Now **LAXMI** has more than **4000** satisfied customers in INDIA & countries like AMERICA, EUROPE, SRILANKA, THAILAND, SYRIA, IRAN, MOZAMBIQUE, INDONESIA, EGYPT, NEPAL, BANGLADESH, MALAYSIA, TANZANIA, MAURITIUS, TURKEY, RUSSIA, ESTONIA, SOUTH AFRICA, GHANA, CONGO, POLAND, UZBEKISTAN, ENGLAND UGANDA, ETHIOPIA, etc.



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